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- ☐ 92. 5824538. 06 Sep 95; 20 Oct 98. Shigella vector for delivering DNA to a mammalian cell. Branstrom; Arthur A., et al. 435/252.1; 424/93.2 435/245 435/252.3 435/455 435/822. C12N001/00 C12N001/20 C12N015/00.
-
- ☐ 93. 5789567. 03 Jul 95; 04 Aug 98. Chicken infectious anemia virus vaccine. Schat; Karel A., et al. 435/325; 424/199.1 424/204.1 424/93.2 435/235.1 435/320.1 435/69.3 536/23.1. C07H021/04 C12P021/02.
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- ☐ 94. 5703219. 22 May 95; 30 Dec 97. Nucleic acid encoding helicobacter pylori enolase.
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Thompson; Stuart A., et al. 536/23.2; 435/252.3 435/320.1. C07H021/04 C12N015/63 C12N001/21.

☐ 95. 5691449. 25 May 95; 25 Nov 97. Respiratory syncytial virus vaccines. Paradiso; Peter R., et al. 530/350; 424/211.1 530/395. C07K001/00 C07K014/00 C07K017/00 A61K039/155.

☐ 96. 5683700. 06 Jun 95; 04 Nov 97. Expression of recombinant proteins in attenuated bacteria. Charles; Ian George, et al. 424/200.1; 424/93.2 435/252.3 435/252.8. A61K039/00.

☐ 97. 5672345. 10 Mar 95; 30 Sep 97. Selective maintenance of a recombinant gene in a population of vaccine cells. Curtiss, III; Roy. 424/93.2; 435/252.3 435/69.1 435/71.2. A61K039/02 C12P021/00 C12N015/00 C12N001/21.

☐ 98. 5639853. 20 Sep 89; 17 Jun 97. Respiratory syncytial virus vaccines. Paradiso; Peter R., et al. 530/324; 424/211.1 530/350. C07K001/00 C07K005/00 A61K038/00 A61K039/155.

☐ 99. 5547664. 12 Dec 94; 20 Aug 96. Expression of recombinant proteins in attenuated bacteria. Charles; Ian G., et al. 424/93.2; 424/93.4 424/93.48 435/252.3 435/252.8. A61K039/08 A61K039/10 A61K039/112 C12N001/21.

☐ 100. 5434253. 21 Mar 94; 18 Jul 95. DNA encoding Helicobacter pylori recombinase. Thompson; Stuart A., et al. 536/23.2; 435/252.1 435/252.3 435/822. C07H021/04.

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| Terms | Documents |
|--------------------------------|-----------|
| L1 and origin near3 replicat\$ | 104 |

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BEGIN 5,6,55,154,155,156,312,399,BIOTECH,BIOSCI

>>> 135 is unauthorized

>>>1 of the specified files is not available

11may05 09:15:42 User208738 Session D1064.1

\$0.80 0.228 DialUnits File1

\$0.80 Estimated cost File1

\$0.10 INTERNET

\$0.90 Estimated cost this search

\$0.90 Estimated total session cost 0.228 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2005/May W1

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File 6:NTIS 1964-2005/May W1

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File 55:Biosis Previews(R) 1993-2005/May W1

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File 154:MEDLINE(R) 1990-2005/May W2

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File 155:MEDLINE(R) 1951-2005/May W2

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File 156:ToxFile 1965-2005/May W1

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***File 156: ToxFile has been reloaded with the 2005 MeSH.**

Please see HELP NEWS 156 for details.

File 312:CA SEARCH(R) 1987-1991

(c) 1997 American Chemical Society

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File 399:CA SEARCH(R) 1967-2005/UD=14220

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File 8:Ei Compendex(R) 1970-2005/May W1

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File 34:SciSearch(R) Cited Ref Sci 1990-2005/May W1

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File 65:Inside Conferences 1993-2005/May W2

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File 73:EMBASE 1974-2005/May W1

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File 94:JICST-EPlus 1985-2005/Mar W3

(c)2005 Japan Science and Tech Corp(JST)

File 98:General Sci Abs/Full-Text 1984-2004/Dec

(c) 2005 The HW Wilson Co.

File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Apr

(c) 2005 The HW Wilson Co.

File 143:Biol. & Agric. Index 1983-2005/Apr

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File 144:Pascal 1973-2005/May W1

(c) 2005 INIST/CNRS

File 172:EMBASE Alert 2005/May W1

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File 266:FEDRIP 2005/Jan

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File 315:ChemEng & Biotec Abs 1970-2005/Apr

(c) 2005 DECHEMA

File 357:Derwent Biotech Res. _1982-2005/May W2

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File 358:Current BioTech Abs 1983-2005/Apr

(c) 2005 DECHEMA

File 369:New Scientist 1994-2005/Apr W1

(c) 2005 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

***File 370: This file is closed (no updates). Use File 47 for more current information.**

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

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File 35:Disertation Abs Online 1861-2005/Apr

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File 40:Enviroline(R) 1975-2005/Apr

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File 91:MANTIS(TM) 1880-2005/Apr

2001 (c) Action Potential

File 110:WasteInfo 1974-2002/Jul

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***File 110: This file is closed (no updates)**

File 164:Allied & Complementary Medicine 1984-2005/May

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File 185:Zoological Record Online(R) 1978-2005/May

(c) 2005 BIOSIS

File 391:Beilstein Reactions 2005/Q1

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File 467:ExtraMED(tm) 2000/Dec

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***File 467: F467 no longer updates; see Help News467.**

7.

| Set | Items | Description |
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S BACTER? (5N) VACCINE? AND ATTENUAT?

Processed 10 of 35 files ...

Processing

Completed processing all files

6898887 BACTER?

795145 VACCINE?

53638 BACTER? (5N) VACCINE?

949907 ATTENUAT?

S1 4853 BACTER? (5N) VACCINE? AND ATTENUAT?

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4853 S1

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0 HOK-SOK

12957 ASD

16541 SSB

2 PHD-DOC

1 KIS-KID

359 POSTSEGREGAT?

1982738 POST

374232 SEGREG?

414 POST(N) SEGREG?

S2 11 S1 AND PARTIT? AND (HOK-SOK OR ASD OR SSB OR PHD-DOC OR
KIS-KID OR POSTSEGREGAT? OR POST (N) SEGREG?)

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RD S2

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S3 3 RD S2 (unique items)

?

Display 3/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2005 BIOSIS. All rts. reserv.

0012342583 BIOSIS NO.: 200000060896

Optimization of plasmid maintenance in the attenuated live vector vaccine strain Salmonella typhi CVD 908-htrA

AUTHOR: Galen James E (Reprint); Nair Jay; Wang Jin Yuang; Wasserman Steven S; Tanner Michael K; Sztein Marcelo B; Levine Myron M

AUTHOR ADDRESS: Center for Vaccine Development, University of Maryland

School of Medicine, 685 W. Baltimore St., Baltimore, MD, USA**USA

JOURNAL: Infection and Immunity 67 (12): p6424-6433 Dec., 1999 1999

MEDIUM: print

ISSN: 0019-9567

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 3/3/2 (Item 1 from file: 266)

DIALOG(R)File 266:FEDRIP

Comp & dist by NTIS, Intl Copyright All Rights Res. All rts. reserv.

00319906

IDENTIFYING NO.: 5R01AI040297-08 AGENCY CODE: CRISP

BACTERIAL LIVE VECTOR-BASED VACCINE AGAINST MALARIA

PRINCIPAL INVESTIGATOR: LEVINE, MYRON M

ADDRESS: MLEVINE@MEDICINE.UMARYLAND.EDU UNIV OF MARYLAND SCH OF MED 685 W BALTIMORE ST, RM 480 BALTIMORE, MD 21201

PERFORMING ORG.: UNIVERSITY OF MARYLAND BALT PROF SCHOOL, BALTIMORE, MARYLAND

SPONSORING ORG.: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

DATES: 2004/01/97 TO 2005/31/05 FY : 2004

- end of record -

?

Display 3/3/3 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2005 Thomson Derwent & ISI. All rts. reserv.

0256792 DBR Accession No.: 2000-11282 PATENT

Expression cassette used as live vector vaccine comprises nucleotide sequence encoding origin of replication and plasmid maintenance system which includes a post-segregational killing and a partitioning function - method is useful for gene therapy for disease treatment

AUTHOR: Galen J E

CORPORATE SOURCE: Baltimore, MD, USA.

PATENT ASSIGNEE: Univ.Maryland 2000

PATENT NUMBER: WO 200032047 PATENT DATE: 20000608 WPI ACCESSION NO.:
2000-412091 (2035)
PRIORITY APPLIC. NO.: US 158738 APPLIC. DATE: 19991012
NATIONAL APPLIC. NO.: WO 99US28499 APPLIC. DATE: 19991202
LANGUAGE: English

- end of record -

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S S1 AND PARTIT?

4853 S1

457404 PARTIT?

S4 12 S1 AND PARTIT?

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RD S4

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S5 4 RD S4 (unique items)

?

Display 5/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2005 BIOSIS. All rts. reserv.

0012342583 BIOSIS NO.: 200000060896

Optimization of plasmid maintenance in the attenuated live vector vaccine strain Salmonella typhi CVD 908-htrA

AUTHOR: Galen James E (Reprint); Nair Jay; Wang Jin Yuang; Wasserman Steven S; Tanner Michael K; Sztein Marcelo B; Levine Myron M

AUTHOR ADDRESS: Center for Vaccine Development, University of Maryland

School of Medicine, 685 W. Baltimore St., Baltimore, MD, USA**USA

JOURNAL: Infection and Immunity 67 (12): p6424-6433 Dec., 1999 1999

MEDIUM: print

ISSN: 0019-9567

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

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Display 5/3/2 (Item 1 from file: 98)

DIALOG(R)File 98:General Sci Abs/Full-Text

(c) 2005 The HW Wilson Co. All rts. reserv.

04363650 H.W. WILSON RECORD NUMBER: BGSA00113650 (USE FORMAT 7 FOR FULLTEXT)

Vaccines for mucosal immunity to combat emerging infectious diseases.

van Ginkel, Frederik W

Nguyen, Huan H; McGhee, Jerry R

Emerging Infectious Diseases (Emerging Infect Dis) v. 6 no2 (Mar./Apr.

2000) p. 123-32

SPECIAL FEATURES: bibl il ISSN: 1080-6040

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORD COUNT: 5891

- end of record -

?

Display 5/3/3 (Item 1 from file: 266)

DIALOG(R)File 266:FEDRIP

Comp & dist by NTIS, Intl Copyright All Rights Res. All rts. reserv.

00319906

IDENTIFYING NO.: 5R01AI040297-08 AGENCY CODE: CRISP

BACTERIAL LIVE VECTOR-BASED VACCINE AGAINST MALARIA

PRINCIPAL INVESTIGATOR: LEVINE, MYRON M

ADDRESS: MLEVINE@MEDICINE.UMARYLAND.EDU UNIV OF MARYLAND SCH OF MED 685 W
BALTIMORE ST, RM 480 BALTIMORE, MD 21201

PERFORMING ORG.: UNIVERSITY OF MARYLAND BALT PROF SCHOOL, BALTIMORE,
MARYLAND

SPONSORING ORG.: NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

DATES: 2004/01/97 TO 2005/31/05 FY : 2004

- end of record -

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Display 5/3/4 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2005 Thomson Derwent & ISI. All rts. reserv.

0256792 DBR Accession No.: 2000-11282 PATENT

**Expression cassette used as live vector vaccine comprises nucleotide
sequence encoding origin of replication and plasmid maintenance system
which includes a post-segregational killing and a partitioning function
- method is useful for gene therapy for disease treatment**

AUTHOR: Galen J E

CORPORATE SOURCE: Baltimore, MD, USA.

PATENT ASSIGNEE: Univ.Maryland 2000

PATENT NUMBER: WO 200032047 PATENT DATE: 20000608 WPI ACCESSION NO.:
2000-412091 (2035)

PRIORITY APPLIC. NO.: US 158738 APPLIC. DATE: 19991012

NATIONAL APPLIC. NO.: WO 99US28499 APPLIC. DATE: 19991202

LANGUAGE: English

- end of record -

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S S1 AND PARA

4853 S1

334543 PARA

S6 15 S1 AND PARA

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RD S6

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

...completed examining records

S7 4 RD S6 (unique items)

?

Display 7/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)
(c) 2005 BIOSIS. All rts. reserv.

0012342583 BIOSIS NO.: 200000060896

Optimization of plasmid maintenance in the attenuated live vector vaccine strain Salmonella typhi CVD 908-htrA
AUTHOR: Galen James E (Reprint); Nair Jay; Wang Jin Yuang; Wasserman Steven S; Tanner Michael K; Sztein Marcelo B; Levine Myron M
AUTHOR ADDRESS: Center for Vaccine Development, University of Maryland School of Medicine, 685 W. Baltimore St., Baltimore, MD, USA**USA
JOURNAL: Infection and Immunity 67 (12): p6424-6433 Dec., 1999 1999
MEDIUM: print
ISSN: 0019-9567
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

- end of record -

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Display 7/3/2 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)
(c) format only 2005 The Dialog Corp. All rts. reserv.

09985472 PMID: 1441732

Genotypic and phenotypic characterization of an aroD deletion-attenuated Escherichia coli K12-Shigella flexneri hybrid vaccine expressing S. flexneri 2a somatic antigen.
Newland J W; Hale T L; Formal S B
Department of Enteric Infections, Walter Reed Army Institute of Research, Washington, DC 20307.
Vaccine (ENGLAND) 1992, 10 (11) p766-76, ISSN 0264-410X
Journal Code: 8406899
Publishing Model Print
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

- end of record -

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Display 7/3/3 (Item 1 from file: 98)

DIALOG(R)File 98:General Sci Abs/Full-Text
(c) 2005 The HW Wilson Co. All rts. reserv.

04363650 H.W. WILSON RECORD NUMBER: BGSA00113650 (USE FORMAT 7 FOR FULLTEXT)
Vaccines for mucosal immunity to combat emerging infectious diseases.
van Ginkel, Frederik W
Nguyen, Huan H; McGhee, Jerry R
Emerging Infectious Diseases (Emerging Infect Dis) v. 6 no2 (Mar./Apr. 2000) p. 123-32
SPECIAL FEATURES: bibl il ISSN: 1080-6040
LANGUAGE: English
COUNTRY OF PUBLICATION: United States
WORD COUNT: 5891

- end of record -

?

Display 7/3/4 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2005 Thomson Derwent & ISI. All rts. reserv.

0293223 DBR Accession No.: 2002-15070 PATENT

Novel vaccine for preventing, treating infectious diseases caused by virus, fungi, protozoa and bacteria, has a carrier strain having membrane vesicle of a microorganism integrated into cell surface of carrier strain - recombinant vaccine and nucleic acid vaccine for use in infection prevention

AUTHOR: KADURUGAMUWA J L; BEVERIDGE T J

PATENT ASSIGNEE: KADURUGAMUWA J L; BEVERIDGE T J 2002

PATENT NUMBER: US 20020028215 PATENT DATE: 20020307 WPI ACCESSION NO.:

2002-315046 (200235)

PRIORITY APPLIC. NO.: US 370860 APPLIC. DATE: 19990809

NATIONAL APPLIC. NO.: US 370860 APPLIC. DATE: 19990809

LANGUAGE: English

- end of record -

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Display 7/9/2 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

09985472 PMID: 1441732

Genotypic and phenotypic characterization of an aroD deletion-attenuated Escherichia coli K12-Shigella flexneri hybrid vaccine expressing S. flexneri 2a somatic antigen.

Newland J W; Hale T L; Formal S B

Department of Enteric Infections, Walter Reed Army Institute of Research, Washington, DC 20307.

Vaccine (ENGLAND) 1992, 10 (11) p766-76, ISSN 0264-410X

Journal Code: 8406899

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Subfile: INDEX MEDICUS

-more-

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Display 7/9/2 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

The construction and characterization of EcSf2a-2, an aroD-deleted Escherichia coli-Shigella hybrid vaccine carrying chromosomal and plasmid genes from Shigella flexneri and expressing S. flexneri 2a somatic antigen in association with E. coli K12 core are described. Expression of hybrid lipopolysaccharide and deletion of aroD resulted in the attenuation of phenotypic characteristics associated with pathogenicity. The addition of an aroD deletion results in a requirement for an aromatic precursor of para-aminobenzoic acid (PABA), an essential bacterial metabolite not present in mammalian tissues. The biosynthesis of hybrid somatic antigen prevents expression of a Sereny-positive reaction by invasive bacteria capable of expressing a plaque-positive phenotype. A functional kcpA gene is required for expression of the plaque-positive phenotype. The presence

of an *aroD* deletion does not interfere with expression of an invasive phenotype; however, in bacteria containing a functional *kcpA* gene, replication and spread by invading bacteria are limited, preventing development of the plaque-positive phenotype.

-more-

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Display 7/9/2 (Item 1 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

(c) format only 2005 The Dialog Corp. All rts. reserv.

Descriptors: *Escherichia coli--genetics--GE; *Gene Deletion; *Plasmids; *Shigella flexneri--genetics--GE; *Vaccines, Attenuated--genetics--GE; *Vaccines, Synthetic--genetics--GE; Animals; Antibodies, Bacterial--biosynthesis--BI; Antigens, Bacterial--genetics--GE; Escherichia coli--immunology--IM; Escherichia coli--pathogenicity--PY; Genotype; Humans; Immunoglobulin M--biosynthesis--BI; Macaca mulatta; Phenotype; Rabbits; Shigella flexneri--immunology--IM; Shigella flexneri--pathogenicity--PY; Species Specificity; Vaccines, Attenuated--administration and dosage--AD; Vaccines, Attenuated--immunology--IM; Vaccines, Synthetic--administration and dosage--AD; Vaccines, Synthetic--immunology--IM

CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Antigens, Bacterial); 0 (Immunoglobulin M); 0 (Plasmids); 0 (Vaccines, Attenuated); 0 (Vaccines, Synthetic)

Gene Symbol: *aroD*; *ipa*; *kcpA*; *mtl*; *virG*

Record Date Created: 19921201

Record Date Completed: 19921201

- end of record -

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| Ref | Items | Index-term |
|-----|-------|----------------------------|
| E1 | 13 | AU=GALEN, J. |
| E2 | 6 | AU=GALEN, J. E. |
| E3 | 13 | *AU=GALEN, JAMES |
| E4 | 5 | AU=GALEN, JAMES E |
| E5 | 23 | AU=GALEN, JAMES E. |
| E6 | 2 | AU=GALEN, JAMES EUGENE |
| E7 | 2 | AU=GALEN, JOSEPH J. |
| E8 | 1 | AU=GALEN, K. P. |
| E9 | 1 | AU=GALEN, KAREN |
| E10 | 4 | AU=GALEN, KAREN P. |
| E11 | 1 | AU=GALEN, LESLIE BLACKWELL |
| E12 | 1 | AU=GALEN, LUDWIG A. |

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| Ref | Items | Index-term |
|-----|-------|------------------|
| E1 | 2 | AU=GALEN J.C. |
| E2 | 36 | AU=GALEN J.E. |
| E3 | 12 | *AU=GALEN JAMES |
| E4 | 70 | AU=GALEN JAMES E |
| E5 | 24 | AU=GALEN JE |
| E6 | 7 | AU=GALEN K |
| E7 | 3 | AU=GALEN K D |
| E8 | 16 | AU=GALEN K P |
| E9 | 3 | AU=GALEN K. |

E10 1 AU=GALEN K.D.
E11 8 AU=GALEN K.P.
E12 5 AU=GALEN KAREN

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